HIGHLIGHT SPFS

Installation Manual

Why us?

Innovative Technology

High-efficiency solar and advanced LEDs deliver superior performance, long life, and maximum ROI.

Photometric

We conduct photometric measurements on all our products to ensure optimal performance and compliance with industry standards

Versatile Lightning

We designs and install solar-powered lightning systems tailored for all kind of locations such as streets, parks, pathways, homes, etc.

Global Reach

Worldwide success proves our adaptability and regulatory expertise.

Sustainable Savings

These solutions enhance safety, promote sustainability and providing significant energy and cost saving.

Warranty

SolarPath is dedicated to delivering architectural and commercial-grade solar lighting that can be customized to meet specific client requests, both in technical specifications and aesthetic design, ensuring a perfect fit for a diverse range of needs.

Instructions:

1. Clean surface of solar panel regular such as dirty leaves, oil, etc, ensure high photoelectric conversion efficiency.

2. Set suitable angle towards sun. (local latitude)

3. Please avoid solar panel being shielded by building, trees, antennas, mast or other obstructions, otherwise it will be reducing working efficiency of solar panel, resulting in lower system efficiency.

4. Recharge battery every 3 months at least if it is idled.

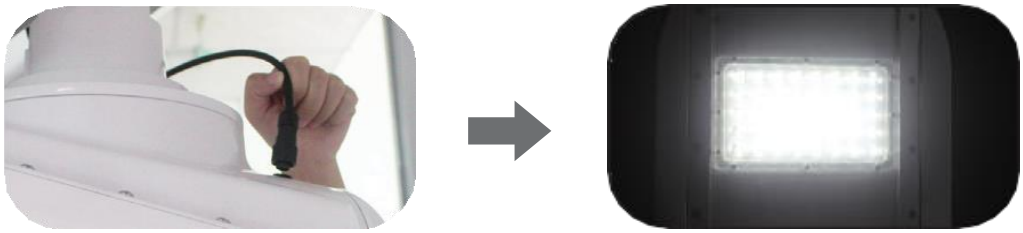
5. Clean snow on solar panel surface timely in winter.

How to activate the lamp after receiving the goods?

If you receive the goods in daytime connect the waterproof cable between solar panel and lamp, press the remote “ON” button the lamp will turn on for 1 minute and then turn off, that’s activate the light successful (no matter the solar panel receiving sunlight or not)

Iyou receive the goods in the daytime connect the waterproof cable between solar panel and lamp, take whole set lamp out for absorb the sunlight and wait for 3 minutes when the sensor indicator light appear red flash the activation is successful.

If you receive the goods at night, connect the waterproof cable between solar panel and lamp, press remote “ON” button, The lamp will turn ON for 12-14hrs, you can press “OFF” button if you want it turn OFF.



Installation:

1. Install bracket support:

Fix the multi-angle bracket buckles on the solar panel with 6pcs M6x20 screws. Be sure “up” towards to LED light.

Figure 1

2. Rotating platform:

Use 6pcs M6x12 screws to fix the 360° rotating platform, according to the orientation of the road.

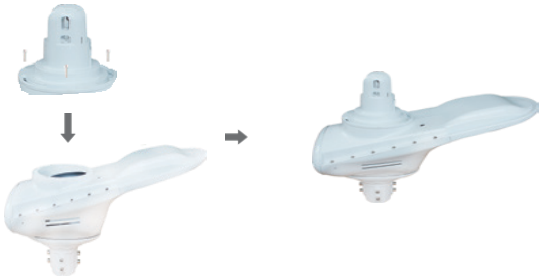


Figure 2

3. Combination:

Used 2pcs M8x30 screws and 1 set M8x100 screws to fix the multi-angle bracket buckles. Choose the right holes according to the installation position of the sun at 2:00 p.m. Make sure the solar panel is headed towards the sky and the short and towards the light, or you cannot adjust the angle. In the southern hemisphere face North in the northern hemisphere face South near the equator install horizontally.

Figure 3

Two lamp’s solar panel position should be same and toward to the sun.

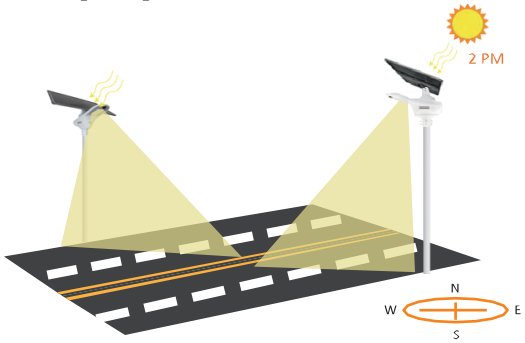


Figure 4

4. Install Light

Use a 0.31” Allen key to loosen screws, Fit the lamp into the pole and fix 6pcs screws.

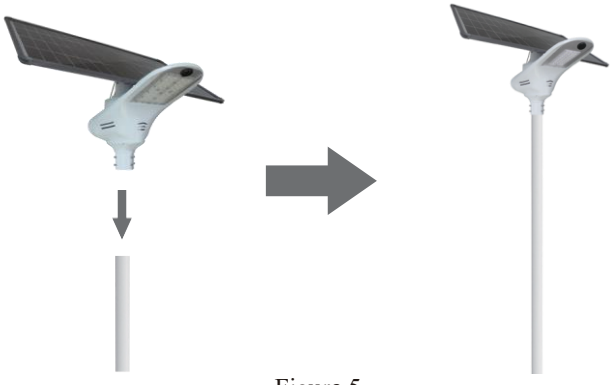


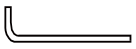
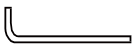
Figure 5

Installation Height and Distance

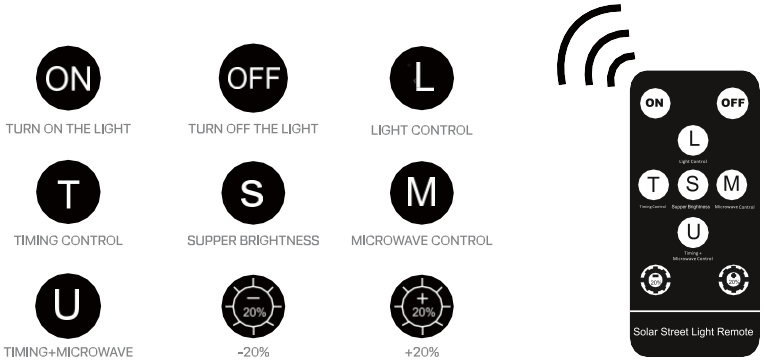
Power	Installation height	Installation distance
15W	13’-16’	32’-42’
20W	13’-19’	52’-62’
30W	16’-19’	62’-75’
40W	23’-26’	65’-82’
50W	23’-26’	82’-114’
60W	26’-29’	114’-131’
80W	26’-32’	131’-147’
100W	26’-39’	114’-131’
120W	29’-39’	131’-147’

Packing List

When open the package please confirm that all parts are received,
the parts are listed below:

Components	Quantity	Images
Light Body	1 pc	
Solar Panel	1 pc	
Multi-angel bracket buckles **Rotating Platform**	1 pc	
Ø6x20 screws	1 pc	
	6 pcs	
Ø0.19’ Allen key	1 pc	
User Manual	1 pc	
Remote control	1 pc	

Humanize Intelligent Remote-Control Technology



Working Mode

- ON: Turn ON the light
- OFF: Turn OFF the light
- L: 2hrs-100%, 2hrs-70%, 8hrs-20%; 4 rainy back up days
- T: 1hr-50%, 4hrs-100%, 3hrs-50%, 4hrs-25%; 2 rainy back up days
- S: 6hrs-100%, 6hrs-50%; 1 rainy back up day
- M: 100% when detect any movements, 30% no movement, 30% no movement; 5 rainy back up days
- U: 2hrs-100%, 2hrs-70%, 2hrs-50%; sensor start working, when detect movement 50%, 20% no movement; 3 rainy back up days
- -20%: decrease 20% brightness based on original working mode
- +20%: increase 20% brightness based on original working mode

Trouble Shooting

No.	Situation	Trouble shooting steps	Solution
1	No light at night	Check if the solar panel is blocked from the sunlight by houses, trees and other obstacles	Clear obstructions or change installation location
		Check if there is any artificial light source(s) illuminate on the solar panel at the night	Remove the artificial light source(s) of interference or change the installation location
		Check the battery have power or not(There will be a red light flashing on microwave sensor if the battery have power)	Put the solar lamp in strong sunshine charging 4-6 hours,then observe the lights at night
		If all step above have no problem	Disconnect the cable between the solar panel and lamp, then connect it again then press M button working mode, then wait for 1 min, lamp will be lighting again
		Test battery voltage	If the battery voltage is lower than 11 V, the battery has been protected automatically. Please use solar panel charge the battery directly (do not through solar charge controller), after full charged, battery voltage shows 14V or above 14V, then observe the lighting situation at night
		Test solar panel voltage	Test solar panel voltage at sunshine.if the volatge of solar panel lower than 10v, please replaced damaged battery
2	A serious shortageof working time	Check if the solar panel is blocked fromthe sunlight by houses, trees and other obstacles	Clear obstructions or change installation location
		Check if the surface of the solar panelis dusty or covered	Clean the surface of solar panels as detailed above
		Confirm the working mode is correct or not	Use the remote control to readjust the working mode to M
		Lighting installation area is a long time cloudy and rainy days (more than 5 days)	Under normal circumstances, sunny day after charging the solar panel to observe the lights at night
3	Lights fail to turn on properly when humans approach	Check the working mode is corret or not	adjust working mode to M or U
		Check if the air temperature close to human body temperature	when the air temperature us close to human temperature, motion detection may slow down. It will return to normal after the air temperature changes
		Check if the installation height is too high	It is out of motion sensor detection range when installation height exceeds 10m. It is recommend to reduce the height or use other operating modes

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